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KDHE - VULCAN MATERIAL
ANNUAL REVIEW MEETING
February 15, 1983
Held at Vulcan Materials Company - Wichita

IV
cc Dave Swingen
TAT

Summary of Meeting Proceedings

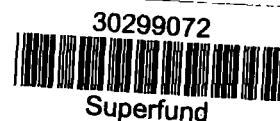
The annual meeting between Vulcan Materials Company and the Division of Environment was held in Wichita at the Vulcan Materials Company Wichita Plant. Attached to this summary is a copy of the agenda and a list of attendees. Bill Bryson of KDHE served as chairman for the session.

Brine Field - Discussion by Dave Noller

- (a) No sonaring is scheduled for 1983 in the brine fields, either the active ones or the abandoned Lebow field. The KDHE staff has not had a chance to evaluate the last sonar of 1982 to see if there is any need to discuss this further.
- (b) The abandoned Lebow #4 well is still losing shale section off the roof. The roof line at the time of last sonar survey in May, 1982 was at 167 feet below land surface and 53 feet above the top of the salt. There is about 90 feet of incompetent shale between the top of the cavity and the base of the unconsolidated alluvium. There is no way to predict the time of roof collapse, only that such a failure will eventually occur. Vulcan has installed a double fence around the projected area of surface expression if collapse occurs.
- (c) The Lebow #9 sinkhole has again stabilized in reference to the fresh water - salt water interface. Water level in the sink is at 10 feet below land surface and the interface is at 29 feet. Vulcan monitors chlorides in wells between the sink and the Ninnescah River. The last sonar of the sink indicated that there is no free liquid conduit between the #9 sinkhole and the #8 well to the north. The creek to the east has been dammed so that the creek and the sink are interconnected through the breached dike. Vulcan has stocked the sinkhole with fish and the pond is used by Vulcan employees as a recreational area.

Groundwater Assessment at 55th and Hoover - Discussed by Jim Boyd

- (a) Clearwater has agreed to extend to their water line for purposes of connecting the residences at Murray Gill in the NE 27-28-1W, Sedgwick County. The Clearwater Commission will receive a system design in March 1983 and will send the project out for bids in April 1983. Vulcan plans to connect twelve homes to the waterline.
- (b) Carbon filters have been installed on the supplies belonging to Rivers, Mahans, Webster, Foelber and Fahnholz.
- (c) Residents to the east of the NE corner of Section 27 will not be hooked up to the system, however, carbon filters will be provided. Three residences are in this category.



Groundwater Management Plan - Discussed by Gary Mason and Brad Rosnwald.

- (a) Vulcan submitted their Groundwater Management Plan on February 9, 1983 prior to the meeting,. This report was primarily of the interceptor well and monitoring well system as it currently is designed and gives only cursory attention to the revision of the network based on the groundwater model purchased by Vulcan.
- (b) General details of the model were discussed the lower S₁ aquifer was modeled as a separate unit, however, the upper S₂ and S₃ sands were modeled as one aquifer.
- (c) KDHE stressed that the area to the south between Vulcan and Abbott must be included in any interceptor well system based on the model. It was recommended that Abbott and Vulcan discuss synchronizing sampling of observation wells, so that "point in time" quality relationship can be tracked. We asked Vulcan to assume responsibility for all sampling of the state monitoring wells, 7A, 7D, 12A, 12D, 9A, 9D (north of Abbott) and the Eckles well in the NW Section 33.
- (d) Ralph O'Connor was directed to split samples with Vulcan on five or six wells as soon as possible. The last split sampling occurred in October 1981 which was further back then was originally indicated.
- (e) The recommendations based on the groundwater model will be discussed in more detail at a later date when Vulcan has finished preparation of the specific report.

Deep Well Injection (Dave Noller and Gary Mason)

- (a) Vulcan has five active Arbuckle disposal wells, 3, 4, 7, 8, and 9 which collectively receive 1200 gallon/minute from plant. The capacity of these wells is 1750 gal/min. Water saving practices being enacted with cut the quantity of process wastewater by 250 gpm.
- (b) Brad Rosnwald went through current and future methods of decreasing the amount of water needed for the plant. One of the items is the proposed use of pumpage from Interceptor Well No. 29 in plant processes.
- (c) Future discussions will be needed regarding the treatment of groundwater pumpage prior to injection.

RCRA (Part B) Application (J.P. Goetz and Robert Morby)

- (a) John Goetz gave a brief description of the process for applying for Part B. Apparently Vulcan will meet the requirement of both Parts A and B. Morby indicated that the hearing in the Part B application would be held jointly by KDHE and EPA. Morby also discussed EPA's viewpoint on Vulcan's Part B application.
- (b) Facilities that might be subject to RCRA requirements are (1) Drum Storage area, (2) Storage tanks, (3) Surface impoundments including the lined pond, (4) Incinerator and (5) the Injection wells if Kansas does not have UIC primacy established.
- (c) Considerable discussion of the RCRA delisting procedures. Vulcan apparently plans to petition delisting of:

- (1) The fluid on the surface impoundments, excluding LP-1 (the first flush lined pond)
- (2) Process wastewater and groundwater pumpage to the deep disposal wells.
- (d) There was discussion relative to (C) regarding the appropriate priority pollutants that needed to be included in any analysis of Vulcan waste.
- (e) A decision was made to have a separate meeting involving Vulcan, KDHE (Goetz) and EPA (Flournoy) regarding the needs for the Part B application.

WRB:cavs

cc: Gary Mason
J.P. Goetz ✓
Jim Aiken
Don Carlson
Ralph O'Connor

LIST OF ATTENDEES

February 15, 1983

VULCAN UPDATE MEETING

KDHE

Bill Bryson
Larry Knoche
Ralph O'Connor

Don Carlson
J.P. Goetz
Kyle Parker
Dale Stuckey

EPA

Robert Morby

Karen Flournoy

Vulcan Materials

James Boyd (Plant Mgr.)
Dave Noller
Gary Mason

Brad Rosnwald
Tom Parrot
Bill Minish